DO/ISS 77-355

2 9 SEP 1977

MEMORANDUM FOR: Director of Communications, DDA

VIA: Director of Data Processing, DDA

25X1   FROM:

                   Chief, Information Services Staff, DDO

SUBJECT: Requirement for CDS Data Link with ODP
                   Special Center

1.   With the advent of the Cable Dissemination
System (CDS), the DO will be able for the first time to
capture and store its electrical traffic in digital form.
This represents an accomplishment of major proportions.
It greatly facilitates the automated storage and retrieval
of the transmitted messages and the processing of the infor-
mation contained within them. It permits the automation of
many processes now performed manually, including a major
keying effort. It reflects a significant step forward in
our ability to support the users of the DO records system in
the field and at Headquarters. The support of the Office of
Communications in this effort is greatly appreciated.

2.   After CDS is fully operational, however, we would
like your assistance in providing a second high speed data
link from the system. This data link would connect the CDS
with the ODP Special Center in Room GC-47 where the ADP
facilities supporting the DO are located. DO traffic is
currently being sent to the Ruffing Center in Room GC-03
via the only high speed CDS data link available. This
traffic, mixed with all other Agency traffic on the data
link, must be extracted from the message stream and spooled to
a dedicated disk file. Periodically, the DO messages are
written to tape. The tapes are then hand-carried to the Special
Center where the data is entered into the newly developed DO
software system known as COMET (Collection of Operational
Messages Electrically Transmitted).

3.   There are many benefits attendant to the direct routing
of DO electrical traffic from CDS to the Special Center. The
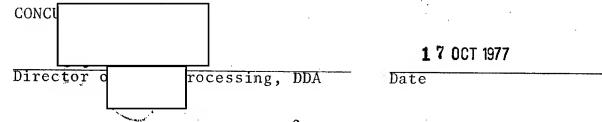most important of these are outlined below.

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- The timeliness and efficiency of handling the
  DO electrical traffic would be enhanced, because
  a dedicated DO data link would eliminate the
  need to manually transport the magnetic tapes
  from one computer center to the other to be run
  as a batch job.

- The accuracy of the digitally stored electrical
  traffic would be improved because a DO data
  link would preclude the need to process the cable
  traffic in both centers, and eliminate the writing
  and reading of tapes that process requires.
  This reduction in the number of processing steps
  would result in a comparable reduction in the number
  of processing errors.

- The security of the DO electrical traffic
  would be enhanced because an exclusive DO data
  link would terminate the introduction of this
  traffic into a multi-computer environment serving
  hundreds of non-DO users. Although the DO is
  willing to accept that risk for the short term in
  exchange for the early capability to process its
  cable traffic digitally, prudence dictates that
  the risk be removed as soon as practical rather
  than continuing over the long term. Also, current
  DO planning envisions that cable traffic of con-
  siderably higher sensitivity will be included in
  the CDS stream in the future. With a dedicated
  data link the DO can ensure the security compartmen-
  tation required to protect that traffic which contains
  information concerning sources and methods.

4. Your support of this request will be greatly
appreciated, as it will result in a valuable improvement in
our ability to provide automated support to the many users of
the DO records system. OC analysts may contact [   ],   25X1
extensions [   ] for detailed information concerning installa-
tion requirements.

/S/ William F. Donnelly

William F. Donnelly

CONCU

1 7 OCT 1977

Director of   rocessing, DDA   Date

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Mr. May: 17 Oct, 1977

I hope your indigestion is better, because after I talked with [   ] on Friday last, I am strongly convinced this action should be approved. There are four prime reasons for approval:

1) It is more efficient in terms of processing cable traffic — gets messages to ultimate destination without redundant processing.

2) It gives DD/O a warm secure feeling — by cutting down the number of people & processes involved in message traffic, it might be statistically more secure.

3) If we are ultimately to achieve flexibility/back-up in CDS processing, this installation is a mandatory step. Whether we fight the battle ~~over~~ over the link-up of 6C-03-6C-47 is not at issue now — in any case, this action _must_ be taken to achieve the flexibility/back-up goal. The fact that DD/O initiated it is a plus — they are giving us ammo for later use.   03 ooooo 47

4) DD/O will receive only DD/O messages in 6C-47. 6C-03 will receive all other appropriate CDS messages. This means there will be _no_ duplicate processing and adds to both reasons 1 & 2.

I think you should concur. The answer to your question of para. 2 (see your comments) is covered, I think, by reason 2. The question of software price & scope must be defended by DD/O — they will have to do it.

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1. This gives me a mild case of indigestion —

2. If the DO traffic flows throughout the OC staff Commo net and authers MAX and CDS mixed with other agency traffic; why does a dedicated link from CDS to OC-47 offer any greater protection of sensetive DO traffic? Is OC not infallible? Why shouldn't I question taking the action Donnelly proposes until we have scoped the problem and priced it out. Why is it OK to have a link from CDS to OC-47 and not OK to have a link from OC-03 to OC-47? Bull Sh__

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SUBJECT: Approved For Release 2005/07/14 : CIA-RDP84-00933R000200210006-3

Requirement for CDS Data Link with ODP Special Center (GC-47)

PURPOSE OF ACTION:

Concur in commo reqmt. for Special Center (GC-47)

ACTION OFFICER (Incl. Ext.)

REFERENCES:

RESOURCE PACKAGE & COSTS (If applicable):

This paper is for your:

Component/ Officer	Information/ Comment	Concurrence	Approval/ Signature	Initials	Date
C/MS	X			_EB_	_12-Oct_
EXO	X	_Boo! Hou!_		_OD_	_12 oct_
D/ODP		X			

DISCUSSION:

No technical objections.
 Would like to have one set of commo protocols, but that
is DD/O/Commo problem.
See note. "No problem".
ODP role will be to implement HASP interface and provide
ISS with message processor as used in GC-03. ISS will
assume the programming burden - however, no one has scoped
this project for the required resources.

[   ] of OC has "informally" seen this and expects to be able to
install sometime in April/May, 1978. Have called [   ] of
DD/O and he says DD/O has no time definition of "short term". DD/O
will accept some delay. Requirement satisfaction would be of benefit
to the DD/O, as stated. The software required is not trivial, unless
they adopt existing ODP software.   (_para 3 last_).

Recommend signature.

25X1

                                        Signature of Action Officer   _10/12/77_
                                                                        Date

MEMORANDUM FOR:

I have no problem with the link. There either is or is not a security problem with traffic in the Ruffing Center. How can DO accept a temporary security problem with traffic in the Ruffing Center?

Date

FORM
5-75 101 USE PREVIOUS EDITIONS